



DEPARTMENT OF ENERGY  
Federal Energy Regulatory Commission

[Project No. 12611-014]

Verdant Power, LLC; Notice of Application Ready for Environmental Analysis and Soliciting Comments, Recommendations, Terms and Conditions, and Prescriptions

Take notice that the following hydroelectric application has been filed with the Commission and is available for public inspection.

- a. Type of Application: Subsequent Minor License
- b. Project No.: P-12611-014
- c. Date filed: December 30, 2019
- d. Applicant: Verdant Power, LLC (Verdant Power)
- e. Name of Project: Roosevelt Island Tidal Energy Project (RITE Project)
- f. Location: On the East River in New York County, New York. The project does not occupy federal land.
- g. Filed Pursuant to: Federal Power Act 16 U.S.C. §§ 791 (a) - 825(r)
- h. Applicant Contact: Mr. Ronald F. Smith, President and Chief Operating Officer, Verdant Power, LLC, P.O. Box 282, Roosevelt Island, New York, New York, 10044. Phone: (703) 328-6842. E-mail: [rsmith@verdantpower.com](mailto:rsmith@verdantpower.com).
- i. FERC Contact: Andy Bernick at (202) 502-8660, or [andrew.bernick@ferc.gov](mailto:andrew.bernick@ferc.gov).
- j. Deadline for filing comments, recommendations, terms and conditions, and prescriptions: 60 days from the issuance date of this notice; reply comments are due 105 days from the issuance date of this notice.

The Commission strongly encourages electronic filing. Please file comments, recommendations, terms and conditions, and prescriptions using the Commission's eFiling system at <https://ferconline.ferc.gov/FERCOOnline.aspx>. Commenters can submit brief comments up to 6,000 characters, without prior registration, using the eComment system at <https://ferconline.ferc.gov/QuickComment.aspx>. You must include your name and contact information at the end of your comments. For assistance, please contact FERC Online Support at [FERCOOnlineSupport@ferc.gov](mailto:FERCOOnlineSupport@ferc.gov), (866) 208-3676 (toll free), or (202) 502-8659 (TTY). In lieu of electronic filing, you may submit a paper copy. Submissions sent via the U.S. Postal Service must be addressed to: Kimberly D. Bose,

Secretary, Federal Energy Regulatory Commission, 888 First Street, NE, Washington, D.C. 20426. Submissions sent via any other carrier must be addressed to: Kimberly D. Bose, Secretary, Federal Energy Regulatory Commission, 12225 Wilkins Avenue, Rockville, Maryland 20852. The first page of any filing should include docket number P-12611-014.

The Commission's Rules of Practice require all intervenors filing documents with the Commission to serve a copy of that document on each person on the official service list for the project. Further, if an intervenor files comments or documents with the Commission relating to the merits of an issue that may affect the responsibilities of a particular resource agency, they must also serve a copy of the document on that resource agency.

k. This application has been accepted and is now ready for environmental analysis.

The Council on Environmental Quality (CEQ) issued a final rule on July 15, 2020, revising the regulations under 40 CFR Parts 1500 – 1518 that federal agencies use to implement NEPA (see Update to the Regulations Implementing the Procedural Provisions of the National Environmental Policy Act, 85 Fed. Reg. 43,304). The Final Rule became effective on and applies to any NEPA process begun after September 14, 2020. An agency may also apply the regulations to ongoing activities and environmental documents begun before September 14, 2020, which includes the RITE Project. Commission staff intends to conduct its NEPA review in accordance with CEQ's new regulations.

l. The existing pilot project license, which expires on December 31, 2021, authorizes the following project facilities: (a) thirty 35-kilowatt, 5-meter-diameter axial flow turbine-generator units; (b) ten triframe mounts, each supporting three turbine-generator units; (c) 480-volt underwater cables from each triframe mount to five shoreline switchgear vaults that interconnect to a control room and interconnection points; and (d) appurtenant facilities for navigation safety and operation.

On October 22, 2020, Verdant installed three turbine-generator units attached to one tri-frame mount under the existing pilot project license. Between October 2020 and January 2021, the pilot project generated about 90 megawatt-hours. Under the current pilot project license, Verdant is required to remove all project facilities, including triframe mounts and turbines, prior to the expiration of its pilot project license.

The proposed project would consist of a maximum of fifteen 35-kilowatt, 5-meter-diameter axial flow turbine-generator units with a total installed capacity of 0.525 megawatt, with underwater cables connecting five triframe mounts to two shoreline switchgear vaults. The project would operate using the natural tidal currents of the East River, during both ebb and flood tidal periods. As the direction of tidal flow changes, each turbine-generator unit would rotate (or yaw) to align the rotor to the direction of flow, through a passive system caused by hydrodynamic forces on the turbine-generator unit. The annual generation is expected to be from 840 to 1,200 megawatt-hours.

m. A copy of the application can be viewed on the Commission's website at <http://www.ferc.gov> using the "eLibrary" link. Enter the docket number excluding the

last three digits in the docket number field to access the document. For assistance, contact FERC Online Support.

All filings must (1) bear in all capital letters the title "COMMENTS," "REPLY COMMENTS," "RECOMMENDATIONS," "TERMS AND CONDITIONS," or "PRESCRIPTIONS;" (2) set forth in the heading the name of the applicant and the project number of the application to which the filing responds; (3) furnish the name, address, and telephone number of the person submitting the filing; and (4) otherwise comply with the requirements of 18 C.F.R. 385.2001 through 385.2005. All comments, recommendations, terms and conditions or prescriptions must set forth their evidentiary basis and otherwise comply with the requirements of 18 C.F.R. § 4.34(b). Agencies may obtain copies of the application directly from the applicant. Each filing must be accompanied by proof of service on all persons listed on the service list prepared by the Commission in this proceeding, in accordance with 18 C.F.R. §§ 4.34(b) and 385.2010.

You may also register online at <http://www.ferc.gov/docs-filing/esubscription.asp> to be notified via email of new filings and issuances related to this or other pending projects. For assistance, contact FERC Online Support.

n. The applicant must file no later than 60 days following the date of issuance of this notice: (1) a copy of the water quality certification; (2) a copy of the request for certification, including proof of the date on which the certifying agency received the request; or (3) evidence of waiver of water quality certification. Please note that the certification request must comply with 40 CFR § 121.5(b), including documentation that a pre-filing meeting request was submitted to the certifying authority at least 30 days prior to submitting the certification request. Please also note that the certification request must be sent to the certifying authority and to the Commission concurrently.

o. Procedural schedule: The application will be processed according to the following schedule. Revisions to the schedule will be made as appropriate.

<u>Milestone</u>	<u>Target Date</u>
Deadline for Filing Comments, Recommendations, and Agency Terms and Conditions/Prescriptions	August 2021
Deadline for Filing Reply Comments	September 2021

Dated: June 2, 2021.

Kimberly D. Bose,  
Secretary.

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